

[Name of Document] CLAIMS

[Claim 1]

An image display device comprising:

a display screen formed on the front of a cabinet and occupying the main part of the front;

an image forming device that, based on read image signals, forms an image corresponding to the image signals, on the display screen; and

a printer unit demountably accommodated in a recess formed in the cabinet.

[Claim 2]

The image display device according to Claim 1, further comprising:

guide means for guiding the movement of the printer unit in the recess during the mounting and demounting of the printer unit; and

connector means that allows the exchange of signals between the image forming device and the printer unit, and that is disconnectable and connectable therebetween.

[Claim 3]

The image display device according to Claim 2, further comprising locking means for bringing the printer unit into a locked state where the printer unit is fixed to the recess, in a state where the printer unit has been accommodated in the recess and the electrical connection

between the image forming device and the printer unit has been established by the connector means.

[Claim 4]

The image display device according to Claim 3, further comprising a lock element for preventing the locked state of the printer unit brought about by the locking means from being released.

[Claim 5]

The image display device according to any one of Claims 3 and 4, further comprising a release sensor for detecting a release operation with respect to the locked state of the printer unit brought about by the locking means.

[Claim 6]

An image display device comprising:

a display screen formed on the front of a cabinet and occupying the main part of the front;

an image forming device that, based on read image signals, forms an image corresponding to the image signals, on the display screen;

a printer unit demountably accommodated in a recess formed in the cabinet;

locking means for bringing the printer unit into a locked state where the printer unit is fixed to the recess, in a state where the printer unit has been accommodated in the recess and the electrical connection between the image

forming device and the printer unit has been established by the connector means;

a release sensor for detecting a release operation with respect to the locked state of the printer unit brought about by the locking means; and

a controller for causing the printer unit to perform forced print interruption processing if the printer unit is in course of performing print processing or preparing for print processing, when the release of the locked state has been detected by the release sensor.

[Claim 7]

The image display device according to Claim 6, wherein, when the release of the locked state has been detected by the release sensor, if there is any print processing that is in course of being performed or prepared in the printer unit, the controller interrupts a power supply to the printer unit after the print interruption processing.

[Claim 8]

The image display device according to any one of Claims 6 and 7, wherein, when the release of the locked state has been detected by the release sensor, the controller terminates the exchange of signals between the image forming device and the printer unit.

[Claim 9]

The image display device according to Claim 8, wherein

the controller comprises a first CPU provided in the image forming device and a second CPU provided in the printer unit, wherein the controller causes the printer unit to perform print processing by passing data signals between the first and second CPUs by communications based on a predetermined connection protocol, and wherein, before interrupting a power supply to the printer unit, the controller terminates in advance the communications based on the predetermined connection protocol between the first, second, and first CPUs.

[Claim 10]

The image display device according to Claim 6, further comprising a locking sensor for detecting that the printer unit is held in the locked state by the locking means.

[Claim 11]

The image display device according to Claim 10, wherein the locking sensor and the release sensor constitute a common detachable switch provided in the locking means, for detecting the displacement of a movable member, and wherein the locking sensor and the release sensor detect the locked state and the release of the locked state based on a state of the detachable switch.

[Claim 12]

The image display device according to any one of Claims 10 and 11, wherein, when the return to the locked state has

been detected by the locking sensor, if printing is under forced interruption due to last demounting of the printer unit, the controller causes the printer unit to restart the interrupted printing.